

HP 3000 Computer Systems

SERIES 37
SOFTWARE INSTALLATION MANUAL

PRELIMINARY



**HEWLETT
PACKARD**

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PRELIMINARY

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First Edition..... SEP 1984.....G.00.00

CONVENTIONS USED IN THIS MANUAL

NOTATION

DESCRIPTION

COMMAND

Commands are shown in CAPITAL LETTERS. The names must contain no blanks and be delimited by a non-alphabetic character (usually a blank).

KEYWORDS

Literal keywords, which are entered optionally but exactly as specified, appear in CAPITAL LETTERS.

parameter

Required parameters, for which you must substitute a value, appear in ***bold italics***.

parameter

Optional parameters, for which you may substitute a value, appear in *standard italics*.

[]

An element inside brackets is optional. Several elements stacked inside a pair of brackets means the user may select any one or none of these elements.

Example: $\begin{bmatrix} A \\ B \end{bmatrix}$ user may select A or B or neither.

When brackets are nested, parameters in inner brackets can only be specified if parameters in outer brackets or comma place-holders are specified.

Example: $[parm1[,parm2[,parm3]]]$ may be entered as:

$parm1,parm2,parm3$ or
 $parm1,,parm3$ or
 $,,parm3$, etc.

{ }

When several elements are stacked within braces the user **must** select one of these elements.

Example: $\begin{Bmatrix} A \\ B \end{Bmatrix}$ user must select A or B.

...

An ellipsis indicates that a previous bracketed element may be repeated, or that elements have been omitted.

user input

In examples of interactive dialog, user input is underlined.

Example: NEW NAME? ALPHA1

superscript^c

Control characters are indicated by a superscript^c. Example: Y^c. (Press Y and the CNTL key simultaneously.)

 indicates a terminal key. The legend appears inside.

<<COMMENT>>

Programmer's comments in listings appear within << >>.

** Comment **

Editor's comments appear in this form.

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PRELIMINARY

The Series 37 Installer Monitor is a program designed to allow you to install software on the Series 37. The Installer Monitor will guide you through the installation process and provide programmatic replies to most of the prompts involved in a software installation.

This manual describes the customer installation of software on the Series 37 using the Installer Monitor and is intended to be a companion to the Customer Installation Manual (30457-90001). This manual gives a detailed description assuming you are installing software on a standard configuration. If you do not have a standard configuration and encounter problems consult your local AEO (Application Engineering Organization, this replaces your former SEO). There are two types of software installation on the Series 37:

- Installing the software on a new system (the NEW case).
- The case in which the customer receives a regularly scheduled MIT from HP (the UPDATE case).

This manual describes only the NEW installation case.

Section I, INTRODUCTION, describes the Series 37 Installer Monitor. It lists the basic functionality of the Installer Monitor, gives the requirements and restrictions for both hardware and software, and outlines the format of the manual.

Section II, THEORY OF OPERATION, describes the NEW installation case. It includes detailed descriptions of the steps that the user will take in installing the software on a Series 37. This section is intended to provide you with some of the background on the Installer Monitor. If this is your first installation attempt, or if you are not familiar with the process, preview this section prior to performing the installation. If you are already familiar with the installation process you may not feel the need to read through all the steps. However, if you find yourself unsure of what to do, refer to this section for some additional guidance.

Section III, PERFORMING THE INSTALLATION, gives a quick guideline of the steps to follow for a successful installation.

Appendix A lists the default software configuration.

During the installation, you may need to consult the following manuals:

MPE V System Operation and Resource Management Reference Manual
(32033-90005)

MPE V Utilities Reference Manual (32033-90008)

The reference manuals/user guides for your peripheral devices

INTRODUCTION

SECTION

I

This manual is one part of the installer package. The complete installer package should include the following items:

- This manual.
- A tape labeled "FOS".
- A tape labeled "SUBSYS".

PRELIMINARY

OVERVIEW OF THE INSTALLER MONITOR

The Series 37 Software Installer Monitor is a program designed to allow the customer to perform the installation of software (MPE - the HP3000 operating system and various subsystems) on the Series 37. The Installer Monitor is designed to be a user-friendly process, freeing the customer from his dependence on the AEO. Some of the features incorporated in the Installer Monitor to promote ease of installation include:

- No system startup (INITIAL) dialogue.
- INITIAL progress messages.
- Programmatic replies to tape requests.
- Built-in status monitoring facility.
- Installation progress messages.

FUNCTIONALITY OF THE INSTALLER MONITOR

The Installer Monitor performs the installation of HP-supported software after the user has entered a B^CNEW (>NEW). It resides on the Fundamental Operating System (FOS) tape and will be restored automatically.

The Series 37 Installation Monitor will operate under the following installation assumptions:

- In the NEW case, there is a minimal configuration defined for the Series 37. This configuration will be on the customer's FOS tape. For a listing of the configuration, refer to Appendix A.
- The FOS tape contains the appropriate account structure necessary to restore all the files from the SUBSYS tape and have the installation program run successfully.

Introduction

- The installation is of a minimal operating system with only customer installable subsystems or peripherals. These subsystems and peripherals are listed below in "SOFTWARE REQUIREMENTS AND RESTRICTIONS" and "HARDWARE REQUIREMENTS AND RESTRICTIONS", respectively.
- In the NEW case, there are 2 serialized/formatted blank cartridge tapes. The FOS and SUBSYS tapes are clearly labelled and are write disabled.
- The Installer Monitor will automatically be accessed after a >NEW has been entered from FOS. The Installer Monitor may also be run after performing any COLDLOAD options provided by INITIAL.
- The system will automatically log on as MANAGER.SYS so the appropriate capabilities are available.
- The person running the Installer Monitor has the appropriate System Operator/System Manager training.

HARDWARE REQUIREMENTS AND RESTRICTIONS

>NEW is a command provided by the Series 37 firmware. It is similar to the RELOAD/SPREAD option for the Series 4x/6x except that it provides a dialogue-free system start-up path.

The Installer Monitor will assume that the COLDLOAD device used for system startup will be the logical device used for restoring from the FOS/SUBSYS tapes and that it will also be the logical device used for generation of the COLDLOAD and Diagnostic Utility System (DUS) tapes.

NOTE

All programmatic replies to tape requests will be made to this COLDLOAD device. If the system is shut down during the installation and a WARMSTART or COOLSTART is performed, the Installer Monitor will continue to use the same COLDLOAD device. Therefore, it is necessary that I/O configuration changes are not made to this particular logical device.

The customer-installable system can include the following:

+*HP 32449A System Processor Unit (pre-installed in the cabinet)

+*HP 7945A Disc Drive (55 Mb)

+*HP 9144A Cartridge Tape Unit (67 Mb)

HP 2392A Terminal

HP 2623A Terminal

HP 2624B Terminal

HP 2625 Terminal

HP 2628A Terminal

+HP 2601/2 Printer (20-25 CPS)

+HP 2932A Printer (200 CPS)

HP 2933/4A Printer (100/200 CPS)

HP 7475A Plotter (6-pen)

HP 150 Personal Office Computer

HP 110 Portable Computer

*These devices, plus one terminal to act as the system console, compose the minimum system.

+These devices, plus one terminal to act as the system console, compose the standard system.

SOFTWARE REQUIREMENTS AND RESTRICTIONS

The Installer Monitor may only be run on MPE V/E (G.00.00) or later versions of MPE. Each version of the Installer Monitor is supported only with the version of FOS on which it is released. In the case of a NEW installation, the RELOAD will automatically restore the correct version of the program file.

The customer installable system can include the following subsystems:

TO BE SUPPLIED . . .

THEORY OF OPERATION

SECTION

II

PRELIMINARY

This section describes the theory of operation of the installation. It is recommended reading if you are unfamiliar with the installation process or if you have any problems along the way. If you are familiar with the installation process, you may wish to skip to Section III

The steps listed in this section are intended only to provide you with information on how the installation is performed. Section III lists the actual steps to be followed. "PERFORMING THE NEW INSTALLATION".

PREPARING FOR THE NEW INSTALLATION

The Series 37 should be properly installed through the last step of the Customer Installation Manual (30457-90001). If this manual is not available, you will find its last step listed below.

STEP 1

The keyswitch located on the front of the Series 37 SPU has four settings; their meanings are listed in Table 2-1. To perform an installation, Control B (Maintenance Mode) must be enabled by selecting Setting 2. Use the key to turn the keyswitch to "2".

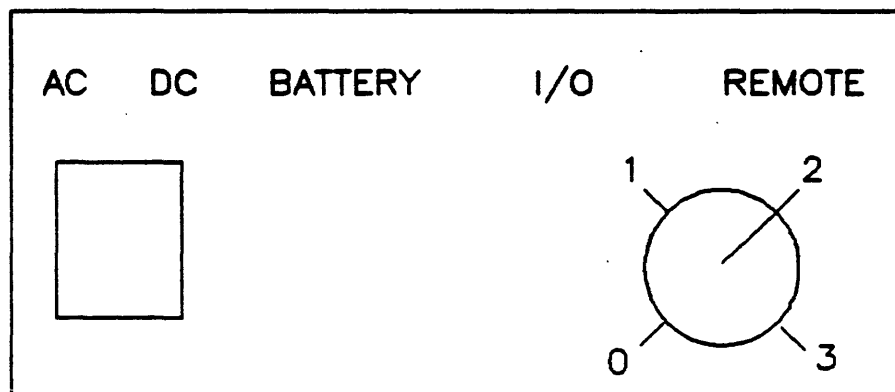


Figure 2-1. SPU Front Panel

Table 2-1. Key Switch Definitions

KEY SWITCH POSITION	MODE	ASSOCIATED ACTION
0	DC Off	DC power is off. Battery DC is off. AC power is applied. Power is applied to the battery charger.
1	Normal	The system console is on port 0, channel 1. Control B (Maintenance Mode) sequences cannot be executed in this mode.
2	Local	The system console on channel 1, port 0 is active and can execute the Control B sequence.
3	Remote	The terminal on channel 1, remote port (port 7) is the active console and can execute the Control B sequence. The local console on port 0 monitors and displays remote console data transfers.

The self-test display will flash a S, 1, S, B, C, and A during the self-test process. When self-test passes, the final display will be blank. The console will display:

P
Power on Self Test
Memory Test passed
Number of banks = n
Slot 1 channel 1 - Terminal Interface Controller

Optional (TIC or memory will be Slot 3 Channel 3)

Slot 4 Channel 4 - Peripheral Interface Channel

2 - LOCAL (from Normal)

H for Help ->

TEST

2-LOCAL (from Normal)

Test ->

IOMAP

System I/O Configuration

Number of bank = n

Load: Channel 4 Device 3

Start/Dump: Channel 4 Device 1

Slot 1 Channel 1 ID = 4 - Terminal Interface Controller

Slot 3 Channel 3 ID = n

Slot 4 Channel 4 ID = 2 - Peripheral Interface Channel

Device 1 ID = xxxx - 7945 Disc Drive

Device 3 ID = 0260 - 9144 Cartridge Tape Unit

2-LOCAL (from Normal)

Test -> EXIT

If you do NOT see this configuration on your console, check to see that you have properly configured the computer devices.

You should proceed to Step 2.

STEP 2

The Fundamental Operating System (FOS) tape contains the necessary files to run the Series 37 Installer Monitor, MPE (the HP 3000 Operating System), utility programs, data base entry, and data base management subsystems. If you have the HP 9144A Cartridge Tape, the tape is mounted by fully inserting the tape cartridge (metal side down) into the tape transport. Inserting (loading) the tape cartridge into a powered-on drive initiates five automatic routines. First, a diagnostic test routine is performed on the tape drive electronics. Second, the tape is positioned at its End Of Tape (EOT) position. This positioning should occur instantly since the tape will most likely have been at the EOT position when it was previously ejected from the drive. Third, the tape is run in a reverse/forward pattern to calibrate the tape speed. Fourth, the automatic gain control for the read channel is set; this allows the drive to read older tapes with very weak signals. Fifth, the drive speeds to the Beginning Of Tape (BOT) and reads information concerning the contents of the tape. At this time the tape should be on line.

If you need more details on the operation of your tape drive, consult the reference manual that was shipped with it. If you encounter problems in operating your tape drive, consult your local AEO.

Theory of Operation

You should proceed to Step 3.

STEP 3

The >NEW command performs a LOAD using the default LOAD and START device numbers stored in the Time Of Century Clock (TOC) RAM. >NEW is part of INITIAL on the Series 37. INITIAL (or the MPE Initiator) is a stand alone program which guides you through loading the information from the FOS tape to the system disc (LDEV 1). Usually, INITIAL will prompt you with a series of questions, however, the Installer Monitor assumes you are installing a standard configuration and automatically answers these questions for you. (For more information on INITIAL, refer to the MPE V System Operation and Resource Management Reference Manual (32033-90005).) As the Installer Monitor answers these questions, progress messages appear on the System Console.

The last step of INITIAL can not be automated. This step requests you to verify the date and time. You should proceed to STEP 4.

If there are any problems during INITIAL, please contact the local AEO.

Steps 1 and 3 are analogous to the LOAD followed by the RELOAD/SPREAD option on a Series 4x/6x without dialogue-free startup. For a detailed description of this procedure refer to the MPE V System Operation and Resource Management Reference Manual (32033-90005).

STEP 4

The Series 37 System Processing Unit (SPU) contains a Time Of Century Clock (TOC) which is set at the factory, and continues to run after the system has been shut down or powered-off. This clock allows MPE to determine the date and time as it is starting up.

Since your location may be in a different time zone or because the clock may not have been accurately set, you may need to correct the date and time. The system will ask you to verify the time. This is the only opportunity in the installation procedure when you will have to respond within a given time.

When the system asks you to verify the date and time you will have sixty seconds to respond. If you do not respond within sixty seconds, the Installer Monitor will assume that you want to accept the given date and time and will proceed with the installation. If you wish to correct the time but failed to act within given sixty-second period, you should do a WARMSTART (for details on WARMSTART, refer to the MPE V System Operation and Resource Management Reference Manual (32033-90005)) and correct the time.

The given date can either be accepted or rejected. To accept the date you should respond with "YES" (the system will interpret "Y", "y", "YES", "yes", or RETURN as affirmative responses). The given date and time can even be accepted by ignoring the prompt and after sixty seconds the Installer Monitor will continue. The system will run with the given date and time.

To reject the given date and time respond with an "N" (the system will accept any response not listed above as a negative response). The standard dialogue for correcting the date and time will begin. After the system recognizes the negative response the following prompt will be displayed:

DATE (M/D/Y)?

Enter the current date in the following format:

mm/dd/yy

where:

mm - is one or two digits representing the month of the year.

dd - is one or two digits representing the day of the month.

yy - is one or two digits representing the year of the century.

Once the date has been accepted by the system, you will then be prompted for the correct time in the following manner:

TIME (H:M)?

You should then enter the correct time of day (in 24-hour clock format) in the following manner:

hh:mm

where:

hh - is one or two digits indicating the hour of the day (24-hour basis).

mm - is one or two digits indicating the minute of the hour.

NOTE

When prompted for the date (DATE (M/D/Y)?), if **RETURN** is entered instead of an actual date, the system will assume the default date/time of WED. NOV 1, 1972, 12:00 AM. Always be sure to enter the correct date and time to assure proper operation of functions related to the system clock (for example, :SYSDUMP).

Once the Time Of Century Clock is properly initialized, INITIAL will terminate. Control is then transferred to MPE. The system will display a welcome message on the System Console. The Installer Monitor will log on as MANAGER.SYS to the System Console and the welcome message will again be displayed on the System Console. The operating system has now been installed. It is now time to install the HP-supported software. You should proceed to Step 5.

STEP 5

At this time, the Series 37 Installer Monitor (AUTOINST.PUB.SYS) will set up the environment necessary for the installation of HP-supported software. This requires 12,000 contiguous sectors on the system disc (LDEV 1).

If AUTOINST.PUB.SYS is successful in restoring the HP-supported software, you will be asked if a SUBSYS tape has been included in your installation package.

If a SUBSYS tape has been included in your installation package, you should proceed to Step 6.

If a SUBSYS tape was not supplied with your installation package, you should proceed to Step 7.

Since this is a NEW installation, 12,000 sectors of free space should exist on the system disc. If any problems are encountered, AUTOINST.PUB.SYS will terminate and tell you to consult the installation procedures for proper instructions. At this time you should run FREE5.PUB.SYS. This is a utility which determines the amount of free space on the system discs. (More information on FREE5.PUB.SYS can be found in the MPE V Utilities Reference Manual (32033-90008).) To gain the needed space, you will have to purge some unneeded files until there is enough available space on the System Disc (LDEV 1). The second step is to run a COOLSTART to recover the lost disc space; this is described in the MPE V System Operation and Resource Management Reference Manual (32033-90005). The last step to recovery is to use the :VINIT command with the cond option (:VINIT is described in the MPE V System Operation and Resource Management Reference Manual (32033-90005).)

Once there is enough free space on the system (you can check this by running FREE5 again) restart the installation process by running AUTOINST.PUB.SYS.

STEP 6

The SUBSYS tape should be mounted as described in "STEP 2".

If you do not have a variable density tape there will be a programmatic reply to the tape request that would normally appear on the console. At this time the Installer Monitor will begin restoring files from the SUBSYS tape.

If you do have a variable density tape drive you will be asked if the default density should be used. If the default density will not be used, you should specify the correct density. In either case the restore will proceed as described above.

Upon successful completion of this restore, you should proceed to Step 7

If the restore was unsuccessful you should consult the tape drive's reference manual for proper use. You may retry the SUBSYS restore by running AUTOINST again. The installation process should begin at the appropriate entry point. If the restore fails on the second attempt, you should consult your local AEO.

After a successful SUBSYS restoration, there may be some "non-customer installable" software restored from the SUBSYS tape. If this occurs you should consult your local AEO, do not continue with the installation.

STEP 7

Mount a tape to be used for the COLDLOAD tape as described in "STEP 2". This tape should be write-enabled. The Installer Monitor will programmatically reply to the tape request that would normally appear on the console.

This phase of the installation process creates and streams a job which performs a SYSDUMP. This incorporates the SL segments and system programs on the SUBSYS tape into the operating system. The COLDLOAD tape is then created. This tape should now be labeled "COLD LOAD <V.UU.FF>". The V.UU.FF is the official Hewlett-Packard version number of the operating system software where V indicates the version number, UU indicates the update number, and FF indicates the fix identification. This information will appear on line 3 of the FOS tape label.

You should proceed to Step 8.

If the COLDLOAD tape was not successfully created, AUTOINST will terminate. You should contact your local AEO.

STEP 8

You should now shut down the system. The =SHUTDOWN command is described in the MPE V System Operation and Resource Management Reference Manual (32033-90005).

STEP 9

Mount the COLDLOAD tape as described in "STEP 2". You should proceed to Step 10.

STEP 10

Perform a COLDLOAD. The details of a COLDLOAD are described in the System Operation and Resource Management Reference Manual (32033-90005). Upon successful completion of the COLDLOAD, the system installation procedures are complete.

PERFORMING THE NEW INSTALLATION

SECTION

III

PRELIMINARY

Once the Series 37 hardware has been appropriately installed, the following sequence of events should be performed to install the software on a new Series 37 system.

1. Turn the Series 37 keyswitch to 2 (Local); this enables Control B commands. Proceed to Step 2.
2. Mount the FOS tape and place the tape drive on-line. Proceed to Step 3.
3. Enter the following command to begin the installation process:

```
BC  
>NEW
```

INITIAL's progress messages will appear on the console:

```
**PERFORMING A RELOAD FOR A NEW INSTALLATION**  
INITIALIZING OF DISC FREE SPACE MAPS COMPLETE  
DIRECTORY MAINTENANCE COMPLETE  
LOADING OF SYSTEM FILES IN PROGRESS  
LOADING OF SYSTEM FILES COMPLETE  
PART 1 OF 6 COMPLETE - MEMORY RESIDENT TABLES SET UP  
PART 2 OF 6 COMPLETE - SL BINDING  
PART 3 OF 6 COMPLETE - I/O PROCESS CREATION  
PART 4 OF 6 COMPLETE - DRIVER LOADING  
PART 5 OF 6 COMPLETE - DISC RESIDENT TABLES SET UP  
PART 6 OF 6 COMPLETE - PROCESS CREATION  
BANK 0 DEPENDENT MEMORY USED - XXXXX
```

DAY, MONTH ##, 19XX, XX:XX A.M. (Y/N)?

If these messages appear proceed to Step 4.

NOTE

If there are any problems during INITIAL, please contact the local AEO.

4. The Time of Century Clock feature must be initialized at this time. Refer to "STEP 4" in Section II for details on this procedure.

Once the Time of Century Clock has been initialized, the following messages will be printed on the console.

```
LOG FILE NUMBER XX ON  
*WELCOME*  
:HELLO MANAGER.SYS;HIPRI
```

Performing the NEW Installation

Once the system comes up, the following welcome message will be displayed on the System Console; proceed to Step 5:

```
THE MPE OPERATING SYSTEM HAS JUST BEEN INSTALLED.  
TO BEGIN THE INSTALLATION OF HP-SUPPORTED SOFTWARE,  
ENTER:
```

```
:RUN AUTOINST.PUB.SYS
```

5. Enter the following command:

```
:RUN AUTOINST.PUB.SYS
```

At this time, the Series 37 Installer Monitor will set up the environment necessary for the installation.

If successful, the following message will appear on the System Console:

```
HAS A SUBSYS TAPE BEEN INCLUDED IN YOUR  
INSTALLATION PACKAGE (Y/N)>>?
```

If the response is "Y", then the following message will be printed; proceed to Step 6:

```
MOUNT THE SUBSYS TAPE AND PUT THE TAPE DRIVE  
ONLINE. THE HP-SUPPORTED SOFTWARE FILES  
WILL BE DESTROYED.
```

If the response is "N", then the following message will be displayed on the System Console; proceed to Step 7:

```
TO CREATE A COLD LOAD TAPE, ENSURE THAT WRITE IS  
ENABLED ON AN HP-SUPPLIED BLANK TAPE. MOUNT THE  
TAPE AND PUT THE TAPE DRIVE ONLINE.
```

In the NEW case, there should be no problems reserving free space. If any problems are encountered, AUTOINSTL will print the following message on the System Console:

```
*WARNING -- THIS SYSTEM DOES NOT HAVE ENOUGH  
DISC SPACE ON LDEV 1. TO CONTINUE WITH THE  
INSTALLATION, CONSULT THE CUSTOMER INSTALLATION  
PROCEDURES.
```

At this point the program will terminate. The user should then enter:

```
:RUN FREE5.PUB.SYS
```

This will determine the amount of free space available on the system. Since 12,000 contiguous sectors are needed on LDEV 1, the difference can be gained by following the steps listed below:

- a. Purge files until there is enough free space.
- b. COOLSTART and recover lost disc space.
- c. Use the :VINIT command with the cond option.

After there is enough free space, repeat Step 5.

6. Mount the SUBSYS tape and place the tape drive on-line.

At this time, if the tape drive to be used for programmatic replies is a variable density tape drive, the following message will be printed:

TAPE DEFAULT DENSITY <XXXX> WILL BE USED (Y/N)>>?

If the response is "N", then an additional question will be printed asking for the proper density.

TAPE DENSITY = (800, 1600, 6250) ?

If the tape drive was placed on-line there will be a programmatic reply to the tape request that would normally appear on the console. At this time the Installer Monitor begins restoring files from the SUBSYS tape.

Upon successful completion of this restore, the following message will appear on the console:

THE SUBSYS TAPE HAS BEEN SUCCESSFULLY RESTORED.
TO CREATE A COLD LOAD TAPE, ENSURE THAT WRITE IS
ENABLED ON AN HP-SUPPLIED BLANK TAPE. MOUNT THE
TAPE AND PUT THE TAPE DRIVE ONLINE.

Proceed to Step 7.

If the restore was unsuccessful the following message will appear on console and the program will terminate.

THE SUBSYS TAPE HAS NOT BEEN SUCCESSFULLY RESTORED.
TO CONTINUE WITH THE INSTALLATION, CONSULT THE
CUSTOMER INSTALLATION PROCEDURES.

If this error message appears, follow the error recovery procedure listed below:

- a. Clean the tape heads and check that the tape was properly loaded. You may retry the SUBSYS restore by entering :RUN AUTOINST.PUB.SYS. The installation process should begin at the appropriate entry point.
- b. If Step a did not work, consult your local AEO.

If the error recovery procedure was successful, proceed with the installation process by running the Installer Monitor again.

After SUBSYS restoration, if any "non-customer installable" software is restored from the tape the following message is displayed on the console:

*WARNING: THIS PROGRAM CANNOT INSTALL THE PRODUCTS
LISTED BELOW. IF YOU WANT TO CONTINUE WITH THE
INSTALLATION, THE COLD LOAD TAPE WILL NOT INCLUDE
THESE PRODUCTS. TO INCLUDE THESE PRODUCTS ON THE
TAPE, CONTACT YOUR LOCAL AEO.

Performing the NEW Installation

```
HP<xxx>      product name
HP<xxx>      "      "
.
.
.
```

"DO YOU WANT TO CONTINUE WITH THE INSTALLATION (Y/N) >>?"

If the response is "Y", proceed to Step 7.

If the response is "N", the following message will be printed and the program will terminate.

TO CONTINUE WITH THIS INSTALLATION, CONTACT YOUR
LOCAL AEO.

Steps 7 through 10 are to be performed only if Step 6 is successful.

7. Mount the write-enabled COLDLOAD tape and place the tape drive on-line.

There will be a programmatic reply to the tape request that would normally appear on the console.

This phase of the installation process creates and streams a job which performs a SYSDUMP to incorporate the SL segments and system programs on the SUBSYS tape into the operating system. If this phase of the installation process is successful, the following message will be printed:

THE SYSTEM COLD LOAD TAPE HAS BEEN SUCCESSFULLY CREATED.
LABEL THIS TAPE "COLD LOAD <V.UU.FF>." REFER TO
LINE 3 OF THE FOS TAPE LABEL FOR THE <V.UU.FF>. ENSURE
THAT WRITE IS NOW DISABLED.

THE SYSTEM MUST NOW BE SHUTDOWN TO COMPLETE THE
INSTALLATION: ENTER CONTROL-A SHUTDOWN (=SHUTDOWN).
NEXT, MOUNT THE COLD LOAD TAPE AND PUT THE TAPE DRIVE
ONLINE. ENTER CONTROL-B COLD (>COLD).

If these messages appear, proceed to Step 8.

If the COLDLOAD tape was not successfully created, the program will terminate and the following message is displayed:

THE COLD LOAD TAPE WAS NOT SUCCESSFULLY CREATED.
TO CONTINUE WITH THE INSTALLATION, CONTACT YOUR
LOCAL AEO.

8. Enter the following command to shut down the system and proceed to Step 9:

```
AC  
=SHUTDOWN
```

9. Mount the COLDLOAD tape and place the tape drive on-line; proceed to Step 10.

10. Enter the following command:

$\frac{B^c}{>COLD}$

Upon successful completion of the COLDLOAD, the installation is complete.

DEFAULT SOFTWARE CONFIGURATION

APPENDIX

A

PRELIMINARY

The default software configuration for the Series 37 system will consist of:

- Series 37 SPU with 512 kbytes memory
- HP 7945 Disc Drive (55 Mbytes) on LDEV 1.
- HP 9144 Tape Cartridge Tape Unit on LDEV 7.
- HP 2601/2 Printer on LDEV 6.
- HP 2933A Printer on LDEV 25.
- Six terminals on LDEVs 20-24, 27

The following is a listing of the default software configuration:

LOG DEV #	DRT #	U N	C H	T Y	SUB TYPE	TERMINAL TYPE	REC SPEED	WIDTH	OUTPUT DEV	MODE	DRIVER NAME	DEVICE CLASS
1	33	0	0	3	5		128		0		HIOMDSC2	SPOOL SYSDISC DISC
6	36	0	0	33	9		66		0	S	HIOCIPRO	LP
7	35	0	0	3	3		128		0		HIOTAPE1	TAPE CTAPE SDISC DDUMP
10	37	0	0	24	0		40		LP	JA	HIOTAPE0	JOBTAPE
20	8	0	0	16	0	10	960	40	20	JAID	HIOTERM1	TERM CONSOLE
21	8	1	0	16	0	10	960	40	21	JAID	HIOTERM1	TERM
22	8	2	0	16	0	10	960	40	22	JAID	HIOTERM1	TERM
23	8	3	0	16	0	10	960	40	23	JAID	HIOTERM1	TERM
24	8	4	0	16	0	10	960	40	24	JAID	HIOTERM1	TERM
25	8	5	0	32	14	19	240	66	0	S	HIOTERM1	LP2932
27	8	7	0	16	1	10	120	40	27	JAID	HIOTERM1	TERM MODEM

The headings denote the following:

LOG DEV #	Logical device number
DRT #	Hardware device address (Device Reference Table number)
UNIT	Hardware unit number of device on its controller
CHAN	Software channel number of device on its controller
TYPE	Device type
SUB TYPE	Device subtype
TYPE	Terminal type
SPEED	Terminal speed

Default Software Configuration

REC WIDTH	Record width in decimal words
OUTPUT DEV	Device class name or logical device number of associated output devices
MODE	J - Accept jobs A - Accept data I - Interactive device D - Duplicative device S - Spooled device
DRIVER NAME	Driver name (Refer to Tables 7-1/7-16 in the System Operation and Resource Management Reference Manual (32033-90005)
DEVICE CLASSES	General Class(es) to which device belongs.

READER COMMENT SHEET

Series 37 Software Installation Guide

30457-90012

September 1984

PRELIMINARY

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